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VERIFICATION BY REMOTE SENSING OF AN
OIL SLICK MOVEMENT PREDICTION MODEL

V. Klemas, G. Davis, H. Wang
College of Marine Studies
University of Delaware

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SIGNIFICANT RESULTS

LANDSAT, aircraft, ships and air-dropped current drcgues have beer deployed to determine current circulation and to track oil slick movement on four different dates in Delaware Bay. The results were used to verify a predictive model for oil slick movement and dispersion. The model predicts the behavior of oil slicks given their size, location, tidal stage (current), weather (wind) and nature of crude. Both LANDSAT satellites provided valuable data on gross circulation patterns and convergent coastal fronts which by capturing oil slicks significantly influence their movement and dispersion.